



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Paulo César PEREGRINO FERREIRA et al.

Serial No. 09/759,281

BOX PCT

Filed January 16, 2001

Attention: DO/EO

METHOD AND COMPOSITION FOR THE  
DIAGNOSIS OF EQUINE INFECTIOUS  
ANEMIA VIRUS DISEASE BY USING THE  
RECOMBINANT CAPSID PROTEIN

**SUBMISSION UNDER 37 C.F.R. §821  
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE  
SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Commissioner for Patents

Washington, D.C. 20231

Sir:

Applicants attach to the present paper a "Sequence Listing", as required by Rule 821(c), and a copy of the "Sequence Listing" in computer readable form, as required by Rule 821(e).

Applicants hereby state that the content of the attached paper and computer readable copy of the Sequence Listing are the same.

Respectfully submitted,

YOUNG & THOMPSON

By

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June 6, 2001  
Ref. 41826 CIP

09759281-050601



34

## SEQUENCE LISTING

### GENERAL INFORMATION:

(i)

APPLICANT: PEREGRINO FERREIRA, Paulo;

5 GESSIEN KROON, Erna;

PIMENTA DOS REIS, Karlisson Jennner;

BIAS FORTES FERRAZ, Isabella;

CERQUEIRA LEITE, Romulo.

(ii)

10 TITLE OF INVENTION: Method and composition for the diagnosis of equine  
infectious anemia virus disease by using the recombinant capsid protein virus  
(p26)

(iii)

NUMBER OF SEQUENCES: 1

15 (iv)

CORRESPONDENCE ADDRESS:

(A)

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(B)

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(C)

CITY: Belo Horizonte

(D)

STATE: Minas Gerais

25 (E)

COUNTRY: BRAZIL

(F)

ZIP: 31270-901

(v)

30 COMPUTER READABLE FORM:

(A)

09759281-060604

MEDIUM TYPE: diskette – 3.50 inch, 1.44 Mb storage

(B)

COMPUTER: IBM compatible

(C)

5 OPERATING SYSTEM: Windows 98

(D)

SOFTWARE: Office premium

(vi)

CURRENT APPLICATION DATA:

10 (A)

APPLICATION NUMBER: U.S. 09/331.262

(B)

FILING DATE:

(C)

15 CLASSIFICATION: C12Q1/70

(vii)

PRIOR APPLICATION DATA

(A)

APPLICATION NUMBER: PI 9606273-8

20 (B)

FILING DATE: 18-DEC-1996

(2)

INFORMATION FOR SEQ ID NO:1:

( i )

25 SEQUENCE CHARACTERISTICS:

(A)

LENGHT: 252 amino acids

(B)

TYPE: amino acid

30 (D)

TOPOLOGY: linear

(ii)

MOLECULE TYPE : protein

(vi)

5 ORIGINAL SOURCE

(A)

ORGANISM : equine infectious anemia virus

(ix)

FEATURE:

10 (A)

NAME: p26

(x)

## PUBLICATION INFORMATION

(A)

15    **AUTHORS:**

(B)

TITLE: (

C)

JOURNAL:

20 (D)

VOLUME:

(F)

PAGES:

(G)

25 DATE:

(xi)

SEQUENCE DESCRIPTION: SEQ ID NO:1

His His His His His His Gly Ser Pro Gly Asn Pro Leu Thr Trp

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Ser Lys Ala Leu Lys Lys Leu Glu Lys Val Thr Val Gln Gly Ser  
 20 25 30  
 Gln Lys Leu Thr Thr Gly Asn Cys Na Trp Ala Leu Ser Leu Val  
 35 40 45  
 5 Asp Leu Phe His Asp Thr Asn Phe Val Lys Glu Lys Asp Trp Gln  
 50 55 60  
 Leu Arg Asp Val Ile Pro Leu Leu Glu Asp Val Thr Gln Thr Val  
 65 70 75  
 Ser Gly Gln Glu Arg Glu Ala Phe Glu Arg Thr Trp Trp Ala Ile  
 10 80 85 90  
 Ser Ala Val Lys Met Gly Leu Gln Ile Asn Asn Val Val Asp Gly  
 95 100 105  
 Lys Ala Ser Phe Gln Leu Leu Arg Ala Lys Tyr Glu Lys Lys Thr  
 110 115 120  
 15 Ala Asn Lys Lys Gln Ser Glu Pro Ser Glu Glu Tyr Pro Ile Met  
 125 130 135  
 Ile Asp Gly Ala Gly Asn Arg Asn Phe Arg Pro Leu Thr Pro Arg  
 140 145 150  
 Gly Tyr Thr Thr Trp Val Asn Thr Ile Gln Thr Asn Gly Leu Leu  
 20 155 160 165  
 Asn Glu Ala Ser Gln Asn Leu Phe Gly Ile Leu Ser Val Asp Cys  
 170 175 180  
 Thr Ser Glu Glu Met Asn Ala Phe Leu Asp Val Val Pro Gly Gln  
 185 190 195  
 25 Ala Gly Gln Lys Gln Ile Leu Leu Asp Ala Ile Asp Lys Ile Ala  
 200 205 210  
 Asp Asp Trp Asp Asn Arg His Pro Leu Pro Asn Ala Pro Leu Val  
 215 220 225  
 Ala Pro Pro Gln Gly Pro Ile Pro Met Thr Ala Arg Phe Ile Arg  
 30 230 235 240  
 Gly Leu Gly Val Pro Arg Glu Arg Gln Met Glu Pro  
 245 250

09759284-0606004

Asn Cys Val Val Gln Ser Phe Gly Val Ile Gly Gln Ala His Leu.

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Glu Leu Pro Arg Pro Asn Lys Arg Ile Arg Asn Gln. Ser Phe Asn

275

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5 Gln Tyr Asn Cys Ser Ile Asn. Asn Lys Thr Glu Leu Glu Thr Trp

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Lys Leu.Val Lys Thr Ser Gly Val Thr Pro Leu Pro. Ile Ser Ser

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Glu Ala Asn Thr Gly Leu

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[illegible]